

Ocean Disclosure Project 2015

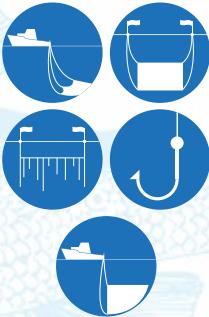
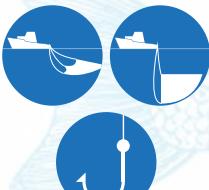
The co-operative food

Key				
 Midwater trawl	 Hook and lines	 Long lines	 Seine nets	 Purse seine
Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
Alaska pollock Aleutian Islands United States 		Certified	 B	<ul style="list-style-type: none">  Bycatch levels are recorded and considered low. Although bycatch includes threatened chinook salmon, impacts are reasonably well understood, and not considered a threat to the protection and recovery of these stocks.  Direct and indirect impacts on PET species have been subject to extensive research and considered low and not significant.  Regulations are in place that restrict trawling to prevent potential depletion of prey for endangered Steller sea lions, and reduce bycatch of halibut and crabs.  Impacts on the bottom habitats and benthic communities are considered low, as only pelagic trawl gear is allowed in the directed fishery.
Alaska pollock East Bering Sea United States 		Certified	 A	<ul style="list-style-type: none">  Management measures to reduce bycatch - particularly bycatch of salmon species - are in place.  Direct and indirect impacts on PET species have been subject to extensive research and considered within acceptable limits.  Regulations limit the portion of pollock catch that may be taken within designated Steller sea lion feeding waters, in order to reduce impact on the trophic chain for this species.  Management measures are in place to reduce the impact of bottom trawls used in this fishery.
Alaska pollock Gulf of Alaska United States 		Certified	 B	<ul style="list-style-type: none">  Direct and indirect impacts of the fishery on PET species (e.g. Chinook salmon) have been subject to extensive research. The fishery is considered not to pose any unacceptable impacts on any PET species.  Regulations are in place that restrict trawling in certain areas, to prevent potential depletion of prey for endangered Steller sea lions.  Most of the fishery is conducted by midwater, or pelagic, trawls, and therefore impacts on the seabed are minimized. Several areas in the Gulf of Alaska (GOA) region are closed to trawling, in order to protect important seabed habitats.

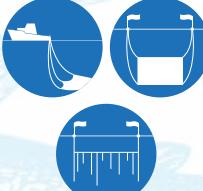
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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes	
Alaska pollock Sea of Okhotsk Russia 		Certified		<ul style="list-style-type: none">  Marine protected areas (MPAs) are in place to protect vulnerable species but there is a lack of evidence that a network of MPAs is protecting representative habitat functions and biodiversity.  Bycatch and discarding is recorded, and rates are low - generally under 5%.  No direct or indirect impacts on PET species can be attributed to the Alaska pollock fishery - no PET species in the stock area are known to be decreasing in abundance.  Benthic habitats were first surveyed over 20 years ago in the Sea of Okhotsk. No negative changes in the ecosystem due to the fishery (either benthic or pelagic communities) have been noted, partly explained by the fishery's use of only pelagic trawls. 	 Bycatch
American lobster Southern New England/ Mid Atlantic United States 		Not Certified or in a FIP		 Insufficient information available on this fishery.*	 Protected, endangered & threatened (PET) species
Atlantic cod Barents Sea Norway 	     	Some Product Certified		<ul style="list-style-type: none">  Good Marine Protected Areas (MPA) coverage, selected based on the importance of their biological production and biodiversity.  Bottom trawls impact the benthic habitat. 	 Wider food web
Atlantic cod Icelandic Iceland 	     	Some Product Certified		<ul style="list-style-type: none">  Bycatch is considered low: all catches must be landed and weighed, and reported. Data is collected by an observer program. There are also gear regulations to reduce bycatch in place.  Interactions with, and impacts on, PET species by the fishery are very unlikely, apart from a small risk of seabird entanglement.  Several areas off Icelandic waters are closed temporarily or permanently to all fisheries to protect both juveniles of some demersal species and benthic habitats. 	 Benthic habitat

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Atlantic cod Norwegian coastal Norway 		Certified		<p>Unattended gill-nets which may drift out to sea can present a 'ghost fishing' problem - where the drifting nets indiscriminately catch marine life.</p> <p>Bycatch of marine mammals is monitored through a directed programme. Data on seabird bycatch is sparse, but bycatch can include the critically endangered common guillemot. However, observers report that most of the fishery's impacts on seabirds are minor.</p> <p>PET species interactions are rare but some studies indicate that gillnet and longline fisheries may pose a significant risk to (some) seabird populations. However, the entire fleet voluntarily uses bird scaring lines to avoid seabird bycatch.</p> <p>Documented destruction of deepwater coral has led to closures of vulnerable areas to bottom trawling. Some gears could impact benthic habitats (Danish seine, trawl and gillnets).</p>	 Bycatch  Protected, endangered & threatened (PET) species  Wider food web  Benthic habitat  General notes
Atlantic mackerel North-East Atlantic European Union, Faroe Islands, Norway   		Not Certified or in a FIP		<p>Bycatch associated with this fishery is considered low.</p> <p>Mackerel is an important food source for various marine mammals but no information could be obtained on the indirect effects of removal of a preferred prey species.</p> <p>Pelagic gear will not impact the benthic habitat.</p>	 Gillnets  Midwater trawl  Pots and traps  Hook and lines  Bottom trawls  Long lines  Dredge  Seine nets  Rake hand/Gathered
Chilean mussel Stock units undefined Chile 		Not Certified or in a FIP	N/A	This fishery is not believed to pose a high environmental risk.*	 General notes
European pilchard North-West Africa central stock Morocco 		FIP (no ratings)		<p>Purse seine is generally considered a low impact gear in terms of bycatch.</p> <p>No estimates of interactions of the fishery with PET species are available, but within the reportedly susceptible groups of dolphins and turtles, no dolphin species in the region is known to be endangered, and turtles are usually released alive from purse seine used by the fishery.</p> <p>Purse seine is generally considered a low impact gear in terms of impact on the benthic habitat.</p>	 General notes

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Haddock Barents Sea Russia, Norway  		Some Product Certified	A	<p> Reasonably good Marine Protected Areas (MPA) coverage, selected based on the importance of their biological production and biodiversity.</p> <p> There is still insufficient information (particularly gear-specific) regarding impacts on PET species, but no reported evidence of significant interactions with any endangered species.</p> <p> Bottom trawls impact the benthic habitat.</p>	 Bycatch
Haddock Icelandic Iceland 		Some Product Certified	B	<p> Bycatch is considered low: all catches must be landed and weighed, and reported. Data is collected by an observer program. There are also gear regulations to reduce bycatch in place.</p> <p> Interactions with, and impacts on, PET species by the fishery are very unlikely, apart from a small risk of seabird entanglement.</p> <p> Several areas off Icelandic waters are closed temporarily or permanently to all fisheries to protect both juveniles of some demersal species and benthic habitats.</p>	 Protected, endangered & threatened (PET) species
Haddock North Sea European Union 		Certified	A	<p> Bycatch of non-commercial species which are important ecosystem components requires further study as to its consequences.</p> <p> The fishery might interact with some protected species, such as blue skate and spotted ray. However, some protective management measures have been introduced</p> <p> Bottom trawls impact the benthic habitat. Coral reefs are protected in areas closed to all bottom-towed fishing gears in Norway.</p>	 Wider food web
Hardenberg's anchovy Thailand 		Not Certified or in a FIP	N/A	<p> Insufficient information available on this fishery.</p>	 General notes
Japanese threadfin bream India 		Not Certified or in a FIP	C	<p> Trawl fisheries have been reported to catch turtles and marine mammals off the Indian coast although there is no specific data for this fishery.</p> <p> The impact of this fishery on the stock is probably high because there are few efforts to discriminate between juveniles and adult bream and spawning areas are not adequately protected.</p>	 Benthic habitat

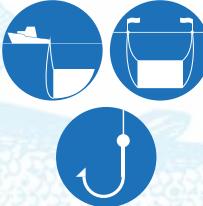
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Mitre squid Stock units undefined Thailand 		Not Certified or in a FIP	N/A	 Insufficient information available on this fishery.*	 Bycatch
Northern prawn Atlantic Canada 		Some Product Certified	B	 Bottom trawls impact the benthic habitat. Available information suggests that shrimp fishing occurs in less sensitive benthic habitats, and therefore the impact of the fishery is minor.	 Protected, endangered & threatened (PET) species
Northern prawn Icelandic offshore Iceland 		Not Certified or in a FIP	C	 Bottom trawls impact the benthic habitat. There are area closures for bottom trawling but the specific impact of this fishery in the seabed (on cold water corals, sponges etc) is unknown.	 Wider food web
Northern prawn West Greenland Greenland, Canada  		Certified	B	 Insufficient information available on this fishery. However, no high risk issues have been identified at this time.*	 Benthic habitat
Norway lobster Clyde Sea United Kingdom 		Not Certified or in a FIP	C	 PET species are not impacted by the fishery.  The habitat function is not undermined by the fishery.  Bottom trawls impact the benthic habitat.	 General notes

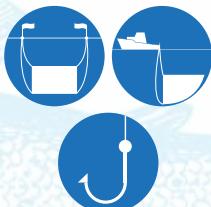
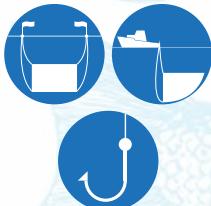
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Norway lobster Farn Deep United Kingdom 		Not Certified or in a FIP		 PET species are not impacted by the fishery.  The habitat function is not undermined by the fishery.  Bottom trawls impact the benthic habitat.		 Bycatch
Norway lobster Fladen Ground United Kingdom 		Not Certified or in a FIP		 PET species are not impacted by the fishery.  The habitat function is not undermined by the fishery.  Bottom trawls impact the benthic habitat.		 Protected, endangered & threatened (PET) species
Norway lobster North Minch United Kingdom 		Not Certified or in a FIP		 PET species are not impacted by the fishery.  The habitat function is not undermined by the fishery.  Bottom trawls impact the benthic habitat.		 Wider food web
Norway lobster South Minch United Kingdom 		Not Certified or in a FIP		 PET species are not impacted by the fishery.  The habitat function is not undermined by the fishery.  Bottom trawls impact the benthic habitat.		 Benthic habitat
Patagonian scallop Stock units undefined Argentina 		Certified		 Bottom trawls impact the benthic habitat, however, scallops reside on soft mud, meaning there is little or no impact on animals requiring hard bottom to grow. A rotational harvest scheme is under development.		 General notes

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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes	Bycatch	Protected, endangered & threatened (PETO) species	Wider food web	Benthic habitat	General notes
Pink salmon East Pacific: Alaska United States 		Certified	C	 There is bycatch of Canadian sockeye stocks in the Southeast Alaska pink salmon fishery including some stocks of regulatory concern.		   	   	 	
Pink salmon East Pacific: Annette Islands Reserve Alaska United States 		Certified	A	 There are no concerns regarding fishery environmental impacts to report at this time.*					
Pink salmon East Pacific: British Columbia Fraser River Canada 		Certified	B	 This fishery is not believed to pose a high environmental risk.*  A more robust bycatch monitoring program for steelhead and white sturgeon is necessary.					
Pink salmon East Pacific: British Columbia Inner South Coast Canada 		Certified	B	 The fishery is not believed to pose a high environmental risk. The Canadian authorities must take a closer look at the impact of salmon farming and associated sea lice on the pink salmon stocks of the Broughton Archipelago. Studies should be conducted to determine whether a recovery plan is necessary.					

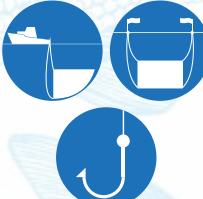
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Pink salmon East Pacific: British Columbia North-Central Coast and Haida Gwaii Canada 		Certified		 This fishery is not believed to pose a high environmental risk.*  The live release discard policy in place in this fishery is not being followed by all commercial fishermen: there is significant mortality of non-target chum and other bycatch stocks. A more robust bycatch monitoring program for Nass and Skeena chum is required.	 Bycatch
Pink salmon East Pacific: Cook Inlet Alaska United States 		Certified		 This fishery is not believed to pose a high environmental risk.*	 Protected, endangered & threatened (PET) species
Pink salmon East Pacific: Norton Sound Alaska United States 		Certified		 This fishery is not believed to pose a high environmental risk.*	 Wider food web
Pink salmon East Pacific: Prince William Sound Alaska United States 		Not Certified or in a FIP		 This fishery is not believed to pose a high environmental risk but there are concerns about the wider ecological impacts of salmon hatcheries in Prince William Sound.*	 Benthic habitat

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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes		
Pink salmon East Pacific: Southeast Alaska United States 		Certified	A	 There is bycatch of Canadian sockeye stocks in this fishery that includes some stocks of regulatory concern.		 Bycatch
Pink salmon East Pacific: Westward Alaska United States 		Certified	B	 This fishery is not believed to pose a high environmental risk.*		 Protected, endangered & threatened (PET) species
Red swamp crawfish Stock unit unidentified China 		Not Certified or in a FIP	N/A	 Insufficient information available on this fishery.*		 Wider food web
Skipjack tuna Western and Central Pacific Indonesia; International Waters, Western and Central Pacific 		FIP (E)	B	 Bycatch is usually low with hook and lines  There is no impact on the benthic habitat.		 Benthic habitat

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Skipjack tuna Western Atlantic Brazil; International Waters: Western Atlantic  		Not Certified or in a FIP	C	 Bycatch of PET species is known to be very low in fisheries using this gear so monitoring has not generally been employed.  There is no impact on the benthic habitat.	 Bycatch
Sockeye salmon East Pacific: Alaska United States 		Certified	C	 Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*	 Protected, endangered & threatened (PET) species
Yellowfin sole Bering Sea and Aleutian Islands United States 		Certified	A	 This fishery is not believed to pose a high environmental risk.*	 Wider food web
Yesso scallop Northern Japan Japan 		Not Certified or in a FIP	N/A	 (General comments) Insufficient information available on this fishery.	 General notes

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